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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III--खण्ड 2 [PART III--SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Calcutta, the 10th May 1986

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APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE 214, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

31st March, 1986

- 251/Cal/86. Sambhunath Basu and Ranjit Kumar Ray. A new heating element for industrial and engineering applications.
- 252/Cal/86. Gita Banerjee. A device for determining gum pressure.
- 253/Cal/86. The Air Preheater Company, Inc. Modular tubular heat exchanger.
- 254/Cal/86. Hoechst Aktiengesellschaft. Process for dyeing or printing cellulose fibers or cellulose blend fibers.
- 255/Cal/86. Degussa Aktiengesellschaft. A process for the production of a new bisabolol rich tetraploid camomile.
- 256/Cal/86. Degussa Aktiengesellschaft. A process for the production of 2-amino-3-nitro-6-(4-fluoro-benzylamino)-pyridine and 2-amino-3-carbethoxyamino-6-(4-fluoro-benzylamino)-pyridine.
- 257/Cal/86. Sulzer Brothers Limited. A facility for storing filamentous material for picking in a weaving machine. (Convention dated 2nd April, 1985) Great Britain.
- 258/Cal/86. Piazza Giovanni. Method and apparatus of manufacturing constitutional blocks and the blocks thus obtained.
- 259/Cal/86. Meric Industries Inc. Repair method for dry walls and like construction materials.

1st April, 1986

- 260/Cal/86. Siemens Aktiengesellschaft. Methods of producing circuit-breaking signals.
- 261/Cal/86. Hoechst Aktiengesellschaft. Water-soluble monoazo and diazo Compounds, process for their preparation and their use as dyes.
- 262/Cal/86. Klein Schanzlin & Becker Aktiengesellschaft. A pot-type centrifugal pump unit.
- 263/Cal/86. Hoechst Aktiengesellschaft. Water-soluble fiber reactive phthaloryamine compounds, a process for their preparation, and their use as dyestuffs. [Divisional date 23rd September, 1982].

2nd April, 1986

- 264/Cal/86. Ammonia Casale S.A. and Umberto ZARDI. System for reducing energy consumption improving reactors for heterogeneous catalytic synthesis and relative reactors.
- 265/Cal/86. Mitsui Toatsu Chemicals, Incorporated. Polypropylene-base resin composition.
- 266/Cal/86. Beloit Corporation. Method & apparatus for installing a high consistency refiner head.
- 267/Cal/86. Siemens Aktiengesellschaft. A telephone Device.
- 268/Cal/86. General Electric Company. A method of forming a cable. [Divisional date 20th October, 1982].
- 269/Cal/86. Westinghouse Electric Corporation. Improvements in or relating to plug for a modulating control valve for a steam turbine.

3rd April, 1986

- 270/Cal/86. Stone India Limited. A BD-positioning valve for railway compressed air brake system and a system incorporating such valve for pneumatically ganging brake control valves of a compressed air brake system on a locomotive or other rail vehicle.

4th April, 1986

- 271/Cal/86. E. I. Du Pont De Nemours and Company. A method for transferring a brinham solid through a long conduit. [Divisional date 3rd May, 1983].
- 272/Cal/86. Anand Banerji. Improved plant growth nutrient and a method of manufacturing same.
- 273/Cal/86. Massey-Ferguson services N. V. Vehicle performance monitoring apparatus. Convention dated 12th April, 1985) United Kingdom.

7th April, 1986

- 274/Cal/86. Du Pont Canada, Inc. Colour of Polymers. (Convention date 12th April, 1985) U.K.
- 275/Cal/86. Beloit Corporation. Disk screen or like shaft assemblies and method of making the same.
- 276/Cal/86. United Technologies Corporation. Radiating sleeve for catalytic reaction apparatus.

8th April, 1986

- 277/Cal/86. Ram Prakash Aneja and National Dairy Development Board. A process for preparing a vaccine against theileriosis in cattle.

9th April, 1986

- 278/Cal/86. Westinghouse Electric Corporation. Improvements in or relating to circuit breaker with arm latch for high interrupting capacity.

APPLICATIONS FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH, MUNICIPAL MARKET
BUILDING, THIRD FLOOR, KAROL BAGH,
NEW DELHI-5

3rd March, 1986

- 181/Del/86. Veena Jain, "An improved caster wheel".
- 182/Del/86. Veena Jain, "An improved caster wheel".
- 183/Del/86. Veena Jain, "An improved caster wheel".
- 184/Del/86. Madura Traders & Engineers. "Improvement in or relating to head light beam".
- 185/Del/86. Marcel Matiere. "A method of fabrication of a conduit and the improved conduit so formed". [Divisional date 16th November, 1982].
- 186/Del/86. Onagul S.A., "Fired product and method of producing the product".
- 187/Del/86. Council of Scientific and Industrial Research. "An improved process for the preparation of 2-bromo-1-phenylethanol".

4th March, 1986

- 188/Del/86. Lockheed Corporation. "Eddy current inspection device".
- 189/Del/86. Basf Farben + Fasern Aktiengesellschaft. "Process for preparing nitrogenous unsaturated homopolymerizable and/or copolymerizable polyester". [Divisional date 25th July, 1983].

190/Del/86. Michel Bonnaval-Lamothe & Others., "Process for recovering clay free rocks and sedimentary environments from clay containing rocks and sedimentary environments". [Divisional date 18th July, 1983].

191/Del/86. Paul Wurth S.A., "Charging installation for a shaft furnace".

192/Del/86. Sab Nife AB., "An actuating device for a vehicle brake rigging".

193/Del/86. Anico Marketing, Inc., "Connector interface".

194/Del/86. Basf Farben + Fasern Aktiengesellschaft, "Process for preparing nitrogenous unsaturated homopolymerizable and/or copolymerizable linear polyester". [Divisional date 25th July, 1983].

5th March, 1986

195/Del/86. Council of Scientific and Industrial Research, "Improvements in or relating to the process for the preparation of α -lactone of 2, 2-dimethyl-3-(2, 2, 2-trichloro-1-hydroxymethyl) cyclopropane carboxylic acid".

196/Del/86. Council of Scientific and Industrial Research, "Improvements in or relating to the process for the preparation of 1, 1, 1-trichloro-4-methyl-pent-3-ene-2-yl diazoacetate".

5th March, 1986

197/Del/86. Shiv Narain Kala, "A microvernter calliper".

198/Del/86. Colgate Palmolive Company, "Bentonite-sulfate agglomerate for detergent compositions".

199/Del/86. Maghemite Inc., "Production of compounds by reaction of solid materials at high temperatures produced by plasma arc torches". (Convention date 5th March, 1985) (U.K.).

200/Del/86. Cauzin Systems, Incorporated, "Printed data strip including bit encoded information and scanner control".

201/Del/86. The Lubrizol Corporation, "Hydrogen sulfide stabilized oil soluble sulfurized organic compositions".

202/Del/86. Dumas Et Inchauspe, "An improvement to the method for the photosulfoxidation of N-paraffins and methyl fatty esters".

203/Del/86. Cauzin Systems, Incorporated, "Optical reader for printed bit encoded data and method of reading same".

6th March, 1986

204/Del/86. Council of Scientific and Industrial Research, "An improved process for the preparation of stable anionic fatliquors based on oils having iodine values less than 100".

205/Del/86. Council of Scientific and Industrial Research, "A process for the preparation of catalysed oxygen scavengers suitable for prevention of metallic corrosion in systems using different grades of water".

206/Del/86. Donovan Pilkington & ABEL Olwagen Coetzee, "A bicycle".

207/Del/86. BP Chemicals Limited, "Compositions for the production of waterproof and gas tight cables". (Convention date 25th April, 1985) (U.K.).

208/Del/86. Ducati Energia S.P.A., "Laminate pack armature I. C. engine generator".

7th March, 1986

209/Del/86. L. B. C. Services (Proprietary) Limited, "Conveyor belt scraper units".

210/Del/86. Uniroyal Chemical Company, Inc., "Asphalt elastomeric blends".

211/Del/86. Uniroyal Chemical Company, Inc., "Adhesive".

212/Del/86. Uniroyal Chemical Company, Inc., "Temperature stable liquid composition".

213/Del/86. Azionaria Contruzioni Macchine Automatiche A.C.M.A., S.p.A., "Apparatus for supplying wrapping elements to packaging machines".

214/Del/86. Kennecott Corporation, "Sensing probe holder system".

215/Del/86. National Research & Development Corp., "Machine for compacting saw dust and other agrowastes".

216/Del/86. National Research & Development Corp., "A manually operated compaction machine".

217/Del/86. National Research & Development Corp., "A manually operated compacting machine for compacting saw dust and other agrowastes".

218/Del/86. National Research & Development Corp., "Machine for compacting saw dust and other agrowastes".

10th March, 1986

219/Del/86. UOP INC., "Process and apparatus for simultaneously regenerating and cooling fluidized particles".

220/Del/86. Madhu Sudan Sharma, "Improvement in or relating to voltage regulator for use land vehicles".

221/Del/86. BP Chemicals Limited, "Polymer compositions". (Convention date 12th March, 1985) (U.K.).

222/Del/86. Colgate Palmolive Company, "Stable soil release promoting enzymatic liquid detergent composition".

11th March, 1986

223/Del/86. Chronar Corp., "Deposition of materials".

224/Del/86. International Paint Public Ltd. Co., "Paint". (Convention date 19th March, 1985) (U.K.).

225/Del/86. Voest Alpine Akitengesellschaft, "A method of producing molten pig iron or steel pre-products from particulate ferrous material".

226/Del/86. Azionaria Costruzioni Macchine Automatiche A.C.M.A. S.P.A., "Wrapping bodies E.G. soap".

227/Del/86. Council of Scientific and Industrial Research, "Improvements in or relating to the manufacture of roof coverings".

12th March, 1986

228/Del/86. Enrique Bernat Fontlladosa, "Process for the manufacture of lollipops, a device to be used for this purpose and the product obtained from this process".

229/Del/86. Rodric Norman & Jeanne Josee Norman Nee Jeanne Josee Neven, "Dust removal device for apparatus for heat sealing together confronting walls of thermoplastic bags or sacks". (Convention date 27th April, 1982) (U.K.). [Divisional date 15th December, 1982].

230/Del/86. BSH Electronics Ltd., "Signal separating device". (Convention date 30th March, 1985) (U.K.).

231/Del/86. Stein Industrie, "A heat exchanger device for drying and superheating steam".

232/Del/86. Stein Industrie, "Device for drying and superheating steam".

13th March, 1986

233/Del/86. Swaran Singh and Sushil Kaur, "A labelling machine".

234/Del/86. Uniroyal, Inc., "Power transmission system". [Divisional date 27th September, 1983].

235/Del/86. Francis George Kirk, "Bicycle frame and bicycle". (Convention date 20th March, 1985 & 14th August, 1985) (U.K.).

236/Del/86. Schweizerische Isola-Werke, "Method for the manufacture of impregnable desintegrated mica tapes with accelerator incorporated".

14th March, 1986

237/Del/86. Subodh Kumar, "Improved drop wire for telecommunication applications".

238/Del/86. The British Petroleum Company P.L.C., "Aromatisation of paraffins". (Convention date 27th March, 1985) (U.K.).

239/Del/86. Goodyear Aerospace corporation, "Cartridge-launched, disk deployed chaff".

240/Del/86. UOP INC., "Gas circulation method for moving bed catalyst regeneration zones".

241/Del/86. Fuel Tech. Inc., "Fuel additives and fuel containing soluble platinum group metal compounds and use in internal combustion engines".

242/Del/86. The Goodyear Tire & Rubber Company, "Rubber polymerases and methods for their production and use".

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

24th March, 1986

211/Mas/86. IDL Chemicals Limited. Cap sensitive permissible emulsion explosives.

212/Mas/86. Plessey Overseas Limited. Switching arrangements for digital telecommunications exchange systems. (April 3, 1985; United Kingdom).

213/Mas/86. Mobil Oil Corporation. Catalytic dewaxing process.

214/Mas/86. Mitsubishi Denki Kabushiki Kaisha. Spring operating mechanism for an electrical switch.

25th March, 1986

215/Mas/86. Siddaiah Sudarshan. A pencil.

216/Mas/86. Jeumont-Schneider. Process and apparatus for control of a hands-free telephone set operating in alternation between sending and receiving.

217/Mas/86. Jeumont-Schneider. Logic circuit producing a direct current output signal of determined maximum intensity.

218/Mas/86. Lacrex Brevetti SA. Device for preheating liquid, for instance liquid fuel.

219/Mas/86. Kabushiki Kaisha Toshiba. Colour cathode ray tube.

26th March, 1986

220/Mas/86. Narayanaswami Palani. Gravity cum wave action energy machine.

221/Mas/86. Peretz Rosenberg. Direct-flushing fluid filter.

222/Mas/86. Societe des Produits Nestle S.A. Aromatics recovery.

223/Mas/86. David Dziewulski & Marc S. Paller. Membrane compartment biochemical reactor.

224/Mas/86. The Marley Cooling Tower Company. Distribution flume for water cooling tower.

225/Mas/86. Szerszamegipari Muvek. NC steered cutter head for spatial surfaces realizations.

226/Mas/86. UNIE Van Kunststestfabrieken B.V. Process for the preparation of thermally stable ammonium nitrate containing granules. (Divisional to Patent Application No. 1080/Cal/82).

27th March, 1986

227/Mas/86. Union Carbide Corporation. Corrosion inhibiting quenchant compositions.

228/Mas/86. Sola International Holdings Limited. Improvements in or relating to the production of contact lenses. (March 29, 1985; United Kingdom).

ALTERATION OF DATE

157638. Ante dated to 10th March, 1980.
(1320/Cal/83).

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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CLASS : 32-F₃ d.

157629

Int. Cl. C 07 d 7/16.

PREPARATION OF GAMMA-PYRONES.

Applicant : PFIZER INC., OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

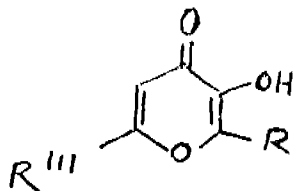
Inventors : 1. THOMAS MOTT BRENNAN, 2. DANIEL PATRICK BRANNAGAN, 3. PAUL DOUGLAS WEEKS, 4. DONALD ERNEST KUHLE.

Application No. 870/Cal/77 filed June 10, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A process for preparing a gamma-pyrone of the formula I of the drawings :



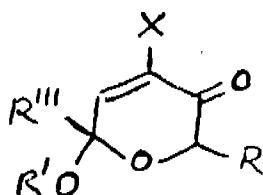
Formula I

which comprises reacting a furfuryl alcohol of the formula III



Formula III

in a solvent at a temperature of -50° to 50°C. with at least two equivalents of a halogen-containing oxidant as defined above to form directly a 4-halo-dihydropyran compound of formula (II)



Formula II

wherein R is hydrogen, alkyl of 1 to 4 carbon atoms, phenyl or benzyl, R' is hydrogen, R'' is hydrogen or alkyl of 1 to 4 carbon atoms, and X is chlorine or bromine, and subsequently complete the intermediate 4-halo-dihydropyran of formula (II) produced.

Compl. specn. 37 pages.

Drg. 3 Sheets.

CLASS : 155-B

157630

Int. Cl. : D 02 j 3/00.

METHOD AND APPARATUS FOR APPLYING FOAM TO OPEN-WEAVE SUBSTRATES.

Applicant : UNION CARBIDE CORPORATION, AT 270 PARK AVENUE, NEW YORK-10017, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventors : 1. ALLEN PAUL JONES, JR. 2. CHARLES JAMES CUNNINGHAM.

Application No. 1423/Cal/81 filed December 16, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

An apparatus for the application of a foam composition to an open-weave substrate, which apparatus comprises foam generating means, foam conduit means, foam applicator means, and orifice means in said foam applicator means to provide exit of the foam for contact thereof with said open-weave substrate as the open-weave substrate travels across said orifice; the improvement of having situated above said orifice means an auxiliary component means, said auxiliary component means, comprising two or more angled shear strips spaced apart from each other and enclosed at each end by end means, said shear strips straddling said orifice and together with said end means defining an open chamber above said orifice, whereby to enable sequential contact of both sides of said open-weave substrate with the foam as said open-weave substrate travels across said orifice and both open sides of said chamber of said auxiliary component means, and said angled shear strips positioned essentially parallel to said orifice and at an angle of from 3° to 90° to the plane of the said foam applicator means.

Compl. Specn. 21 pages.

Drg. 1 sheet.

CLASS 27-I; 151-E.

157631

Int. Cl. : F 16 s 1/00.

COMPOSITE LAMINATE JOINT STRUCTURE AND METHOD AND APPARATUS FOR MAKING SAME.

Applicant & Inventor : CHARLES E. KAEMPEN, 3011 S. SHANNON, SANTA ANA, CALIFORNIA 92704, UNITED STATES OF AMERICA.

Application No. 23/Cal/83 filed January 5, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A composite laminate joint structure comprising :

a first ply of tensioned and compacted unidirectional continuous first filament strands disposed generally in a direction perpendicular to the horizontal (or longitudinal) axis of the structure said first ply configured to have at least one end of sufficient thickness to provide an exterior surface tapered at an angle of between 5° and 15° when viewed in cross section relative to said axis.

a second ply of tensioned and compacted unidirectional continuous second filament strands having a uniform thickness disposed transversely of and superimposed over said first ply and extending generally in the direction of said horizontal axis, said second ply having at least one end formed upon the exterior tapered surface of said first ply to provide said second ply with a taper when viewed in cross section relative to said horizontal axis,

a third ply of tensioned and compacted unidirectional continuous third filament strands disposed transversely of and superimposed over said second ply and extending generally in a direction perpendicular to said horizontal axis, said third ply configured to have a flange on the tapered end of said second ply,

hardened adhesive means impregnating and bonding said first, second and third plies together in a common bonding matrix to maintain them in a flanged and tapered end laminate joint configuration.

Compl. Specn. 23 pages.

Drgs. 3 sheets.

CLASS : 48-A₄.

157632

Int. Cl. : H 01 7/00.

MULTI-WIRE FLEXIBLE ELECTRICAL CABLE.

Applicant : SIEMENS AKTIENGESellschaft, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors 1. MAX BARNICOL-OTTLE, 2. MARTIN LOCZENSKI, 3. NORBERT MIESCHKE, 4. GERHARD OTT, 5. GERHARD PRZYBYLSKI, 6. DIETMAR WEBER.

Application No. 70/Cal/83 filed January 18, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A Multi-Wire flexible electrical cable having a plurality of wires stranded around a cable core and contained within a cable sheath, in which at least part of the outer surface of each wire is united with an elongate structural element of the cable via contact points, lines or areas on the surface of the wire which extends throughout the length of the cable and which includes elastomeric material at least in the regions at which it is united with the surface of the wires.

Compl. Specn. 11 pages.

Drg. 1 sheet.

CLASS : 42-C.

157633

Int. Cl. : A 24 f 13/06.

IMPROVEMENTS RELATING TO TOBACCO SMOKE FILTERS.

Applicant : BROWN & WILLIAMSON TOBACCO CORPORATION, OF 1600 WEST HILL STREET, LOUISVILLE, KENTUCKY 40232, UNITED STATES OF AMERICA.

Inventor : 1. JOHN ANTHONY LUKE.

Application No. 124/Cal/83 filed February 2, 1983.

Convention dated 2nd February, 1982 (82 02943) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A tobacco smoke filter comprising a rod-like plug of filtration material and having at least one airflow duct extending along said plug between a first end of the duct open at the mouth end of said plug and a second end open at the periphery of said plug; and wrapping means encircling said plug and permitting the ingress of a first stream of ambient air into said at least one airflow duct at a location spaced from said first end and permitting the ingress of a second stream of ambient air directly into the interior of said plug.

Compl. specn. 12 pages.

Drg. 1 Sheet.

CLASS : 174-G.

157634

Int. Cl. : F 16 f 19/32.

A GUIDE VANE RING OF A TARBO MACHINE WITH AN ARRANGEMENT FOR DAMPING VIBRATION.

Applicant : KRAFTWERK UNION AKTIENGESellschaft, 433 MULHEIM (RUHR), WIESENSTR. 35, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. HERBERT KELLER.

Application No. 295/Cal/83 filed March 10, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A guide vane ring for axially rotating in a turbomachine, with an arrangement for damping vibrations, the guide vane ring having guide vanes each of which has a base plate fast with it, wherein wedge-shaped recesses are formed between adjacent base plates, into which recesses are inserted wedge-shaped damping elements, the recesses and the elements tapering in the axial direction of the ring, and wherein the elements are displaceable substantially in the axial direction, in response to an axial pressure difference across the said recesses, so as to set up a vibration-damping compression force between the wedge-shaped elements and the base plates in contact therewith.

Compl. Specn. 11 pages.

Drg. 1 sheet.

CLASS : 157-D_a.

157635

Int. Cl. : E 01 b 27/00.

A TOOL ARRANGEMENT FOR TAMPING, LEVELLING AND Laterally ALIGNING A RAILWAY TRACK.

Applicant : FRANZ PLASSER BAHNBAUMASCHINEN-INDUSTRIEGESellschaft M.B.H., JOHANNESGASSE 3, VIENNA 1, AUSTRIA.

Inventor : 1. ING. JOSEF THEURER.

Application No. 516/Cal/83 filed April 27, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A tool arrangement for tamping, levelling and laterally aligning a railway track intended for a travelling track maintenance machine, which comprises a chassis supported by undercarriages spaced apart from one another, and comprising at least one tamping unit which comprises tamping tools mounted on a tool support vertically displaceable by a drive and designed to be closed in pairs by squeezing drives and to be vibrated by vibration drives after they have been lowered into the ballast bed, and further comprising a track lifting and lining unit provided with lifting and lining drives and a reference system associated with this track lifting and lining unit, characterised in that the tamping unit and the track lifting and lining unit (14, 33; 47, 56; 80, 81; 110, 111) with their associated drives form a working assembly (1; 45; 65; 85; 101; 117) and are mounted on a common tool support frame (6; 48; 79; 113; 119) which, on the one hand, is supported on the track at one end by a pair of supporting and guiding flanged wheels (7; 46; 78) and which, on the other hand, is pivotally connected at its other end for universally pivotal support to the chassis (5; 51; 68; 94; 105; 122) of the particular track maintenance machine at a longitudinal distance from the immediately following undercarriage thereof.

Compl. Specn. 32 pages.

Drgs. 2 sheets.

CLASS : 53-C.

157636

Int. Cl. : B 60 k 3/14.

DRIVING MECHANISM FOR VEHICLES PROPELLED BY HUMAN MUSCLE POWER AND SAID VEHICLES INCLUDING SAID DRIVING MECHANISM.

Applicant & Inventor: JECHESKEL DAVIDOVITCH, OF 22 AVTALION STREET, RAMATH GAN, ISRAEL.

Application No. 471/Cal/83 filed April 21, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

Driving mechanism for vehicles propelled by human muscle power, said mechanism comprising two backwardly free wheeling grooved pulleys which are concentrically fixed on the two sides of said driven wheel, an intermediate grooved idler, mounted on said frame, a single cord (or any other bendable element) slung about the said intermediate idler and partially wound around said grooved pulleys, two swingable elongated pedals of a length greater than a human foot to which pedals the two ends of said driving cord are connected.

Compl. Specn. 10 pages.

Drgs. 2 sheets.

CLASS : 157D_s.

157637

Int. Cl. : E 01 b 27/00.

TRAVELLING TRACK TAMPING MACHINE WITH TWO PIVOTALLY INTERCONNECTED UNDERCARRIAGE-FRAMES.

Applicant : FRANZ PLASSER RAHNBAUMASCHINEN-INDUSTRIEGESSELLSCHAFT M.B.H., JOHANNESGASSE 3, VIENNA1, AUSTRIA.

Inventor : 1. ING. JOSEF THEURER.

Application No. 515/Cal/83 filed April 27, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims

A travelling track tamping machine, more particularly a track tamping, levelling and lining machine, comprising two pivotally interconnected frames supported by undercarriages and at least one tamping unit arranged on those frames, characterised in that the tamping unit (25; 44; 60; 89; 124; 171) arranged between two undercarriages spaced apart from one another for supporting the two frames is mounted on a frame designed to function as a tool support frame (17; 37; 54; 81; 109; 167) which, to enable its supporting and guiding undercarriage to act as a free steering axle, is pivotally connected to the other frame serving as the main machine frame (7; 35; 51; 76; 103; 158) (Figures 1 to 9).

Compl. Specn 37 pages.

Drgs. 3 sheets.

CLASS : 127-I.

157638

Int. Cl. : A 47 I 13/12.

AN OFFSHORE BUMPER ASSEMBLY.

Applicant : REGAL INTERNATIONAL, INCORPORATED, AT NO. 110, WEST TENTH STREET, IN THE CITY OF WILMINGTON, COUNTY OF NEW CASTLE, STATE OF DELAWARE, UNITED STATES OF AMERICA.

Inventors : 1. CLARENCE THOMERSON, 2. JAY WARNER JACKSON.

Application No. 1320/Cal/83 filed October 26, 1983.

Division of Application No. 279/Cal/80 dated 10th March, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A bumper assembly for connection to an offshore structural member to provide protection to said structural member from contact by vessels such as boats and barges, said assembly comprising upper and lower support arms for con-

nection to said structural member, a vertically extending contact member of sufficient length to span an area of contact and with an outer surface for engagement, by vessels, a support member axially extending through said contact member and supported from said arms, a pair of axially spaced means resiliently separating said contact member and said support member, said axially spaced means positioning said contact member with respect to said support member with the axis of said contact member radially spaced from and extending parallel to the axis of said support member.

Compl. Specn. 25 pages.

Drgs. 6 sheets.

CLASS : 69 D

157639

Int. Cl. : H 01 h 85/38.

ELECTRICAL SWITCHGEAR.

Applicant : SOUTH WALES SWITCHGEAR LIMITED, OF BLACKWOOD, GWENT, NP2 2XH, WALES, UNITED KINGDOM, A BRITISH COMPANY.

Inventor : JOHN PARRY.

Application for Patent No. 67/Del/1982 filed on 29th January, 1982.

Convention date on 3rd February, 1981/8103269/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

13 Claims

Electrical switchgear employing an electrically insulating fluid for arc extinction and comprising first and second contacts which movable between open and closed positions, and a field coil electrically connected in series with a tubular arcing electrode, the first contact having an end portion which engages the second contact when the contacts are in their closed position and which, during movement of the contacts to their open position, moves transversely across a pole face of the field coil and towards the axis of the latter, movement of the contacts from their closed position to their open position causing an arc to be drawn there-between, and further movement of the contacts towards their open position causing the arc to transfer its root from the second contact to the arcing electrode such that the arcing current flows through the field coil to generate a magnetic field which causes the arc to rotate and become extinguished, such rotation of the arc defining a principal arcing zone, the second contact including a portion which is engageable by the end portion of the first contact and which, at least when the contacts disengage, is disposed in proximity to and at substantially the same distance from the field coil axis as an adjacent part of an inner surface of the arcing electrode, such that the arc transfers its root from said portion of the second contact to said adjacent part of the inner surface of the arcing electrode and upon such transfer is disposed within the principal arcing zone thereby enabling the arc to rotate immediately under the influence of said magnetic field.

Compl. specn. 20 pages.

Drg. 4 sheets.

CLASS : 154 D & 173

157640

Int. Cl. : B 05 b 5/00 & B 41 of 31/00.

APPARATUS FOR APPLYING LIQUID DROPLETS TO A MOVING SUBSTRATE SURFACE.

Applicant : BURLINGTON INDUSTRIES, INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A. OF 3330 WEST FRIENDLY AVENUE, GREENSBORO, STATE OF NORTH CAROLINA 27410, UNITED STATES OF AMERICA.

Inventor : RODGER LOTIS GAMBLIN.

Application for Patent No. 68/Del/1982 filed on 29th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

Apparatus for applying liquid droplets to a moving substrate surface comprising a source of pressurized fluid; random drop generation means in fluid communication with said source including spaced apart liquid jet orifices extending in an unbroken array transverse to direction of travel of said moving substrate surface and random signal generation means connected to said source of pressurized fluid for randomly generating droplets in the fluid streams from the orifices; charging electrode means disposed downstream of said orifices and extending over the zone of random drop formation for imparting electrical charges to said drops as they pass thereby; collection means disposed downstream of the charging means; and deflecting electrode means disposed downstream of said charging electrode means and opposite said collection means for deflecting electrically-charged droplets away from the substrate and into said collection means.

Compl. specn. 23 pages.

Drg. 1 Sheet.

CLASS : 76 B & 150 C

157641

Int. Cl. : F 161, 3/00 & F 16 b, 2/02.

APPARATUS FOR SUPPORTING STRUCTURE BETWEEN BOLTED FLANGES.

Applicant : BS & B SAFETY SYSTEMS INC., A CORPORATION DULY ORGANISED AND EXISTING UNDER AND BY VIRTUE OF THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA.

Inventors : ROY LEE KERNS & JOHN LEE STERLOW.

Application for Patent No. 70/Del/1982 filed on 29th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

Apparatus for supporting a structure for being interchangeably sealingly clamped and centered between bolted pipe flanges of varying pressure and design standard, said flanges including complementary flow passageways therein and annular seating surface thereon, said apparatus comprising at least one support member, the support member or the outermost support members having parallel faces for sealingly engaging the seating surfaces of said flanges, a centrally positioned opening extending through said member and through the faces thereof for positioning the structure to be supported by said support member in alignment with flow passageways in said flanges, the periphery of said support member being square shaped having four substantially straight sides, meeting at right angled corners, and said support member including a pair of spaced apart recesses disposed in each of said four straight sides.

Compl. specn. 15 pages.

Drg. 6 Sheets.

CLASS : 10 B, 72 C & 126 A

157642

Int. Cl. : F 42 d 3/00, G 01 l 5/14, 13/06,

G 01 p 15/08 & G 07 C 1/10.

DIGITAL BLAST DATA RECORDER.

Applicant : CHIEF CONTROLLER, RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI (INDIA), AN INDIAN NATIONAL.

Inventors : VIRENDRA SINGH SETHI, SUBRAMANIAM SRINIVASAN, VIJAY BODHANKAR, OM PRAKASH KHURANA, RAJENDRA PAL & GOPI CHAND.

Application for Patent No. 76/Del/1982 filed on 30th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A digital blast data recorder for measuring and displaying blast wave parameters comprising a transducer for sensing the incident pressure discharged by a blast, a charge amplifier connected to said transducer for converting the electrical charge pulse of the transducer into a proportional low impedance voltage, pulse, a duration reader circuit connected to the output of said charge amplifier for measuring and displaying the duration of the impulse, an impulse reader circuit connected to the output of said charge amplifier for measuring and displaying the positive impulse, a peak reader circuit connected to the output of said charge amplifier for measuring and displaying the peak over pressure.

Compl. specn. 13 pages.

Drg. 2 Sheets.

CLASS : 131 A I

157643

Int. Cl. : E 03 b 3/15.

A PROCESS FOR TREATING THE FILTER OF A DRILLED WELL INSITU FOR REMOVING INCRUSTATIONS THEREON.

Applicant : GENERALIMPEX MAGYAR KULKERFESKEDELMI VALLALAT OF BUDAPEST. BARTOK B. u. 156. 1113 HUNGARY, A HUNGARIAN COMPANY.

Inventor : PAL GOMORY, JÁNOS HEGDUS, FERENC KISS & SIMON ATTILA.

Application for Patent No. 83/Del/1982 filed on 2nd February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A process for treating the filter of a drilled well insitu for removing the incrustations thereon and thereby increasing the water discharge of the well, comprising treating said filter chemically, characterised in that into the said filter of the well a weak acid such as herein described having a dissociation constant less than $K_a = 10^{-3}$ is introduced and allowed to dwell therein for a period preferably of 10 to 48 hours : compressing and flushing the resultant solution from said acid treatment by means of a scavenging pump : introducing thereafter a solution of sodium bicarbonate and/or sodium hypochlorite into said filter for a dwelling time of preferably 1 to 36 hours and re-flushing the resultant solution by means of a scavenging pump.

Compl. specn. 10 pages.

CLASS : 145 A

157644

Int. Cl. : D 21 f, 11/04, 11/08 & 13/04.

"METHOD OF MAKING FIBROUS SHEET MATERIALS AND FIBROUS SHEET MATERIALS PRODUCED THEREBY.

Applicant : PORTALS LIMITED, A BRITISH COMPANY OF OVERTON, BASINGSTOKE, HAMPSHIRE, RG3, 3JG, ENGLAND.

Inventors : ALAN JOHN TOOTH & NEIL PASK.

Application for Patent No. 95/Del/82 filed on 4th February, 1982.

Convention date 19th February, 1981/8105278 & 13th July, 1981/8121563 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

20 Claims

A method of making a fibrous sheet in which a thread of the kind such as herein described is partially embedded, which method comprises depositing a suspension of paper making fibres on to the surface of a support which is pervious or substantially pervious to liquid, supplying said thread to said support surface, supporting said thread at a plurality of spaced locations at or on said support surface and depositing further paper making fibres to embed partially said thread in said deposited fibres, said thread being substantially exposed on at least one side of the resulting sheet at locations corresponding to said spaced locations at which said thread was supported.

Compl. specn. 21 pages.

Drg. 3 Sheets.

CLASS : 152 E, 152 F

157645

Int. Cl. : C 08 k 1/00.

ANTIBLOCKING COMPOSITIONS AND FILMS OBTAINED THEREFROM.

Applicant : SOCIETE CHIMIQUE DES CHARBONNAGES S.A., OF TOUR AURORE, PLACE DES REPLETS, F 92080 PARIS LA DEFENSE, CEDEX N° 5, FRANCE, A FRENCH COMPANY.

Inventor : EDMOND HILT.

Application for Patent No. 99/Del/1982 filed on 5th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

11 Claims

Anti-blocking composition comprising of ethylene polymer and talc, characterised in that the amount of talc is in the range of from 200 to 2,500 ppm, and the average particle size of talc is in the range of from 1 μ m to 5 μ m.

Compl. specn. 11 pages.

CLASS : 40 B

157646

Int. Cl. : B 01 J—11/06 & 11/46, C 07 C 27/10,

12/30 & 11/12 and C 07 b 3/00.

PROCESS FOR PREPARING IMPROVED OXIDE COMPLEX CATALYSTS.

Applicant : THE STANDARD OIL COMPANY, AN OHIO CORPORATION, HAVING A PLACE OF BUSINESS AT MIDLAND BUILDING, CLEVELAND, OHIO 44115, UNITED STATES OF AMERICA.

Inventors : MARIA STRADA FRIEDRICH, DEV DHANARAJ SURESH & ROBERT KARL GRASSELLI.

Application for Patent No. 105/Del/1982 filed on 9th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for preparing substantially crystalline iron bismuth molybdate oxide complex interim catalyst of improved catalytic properties comprising incorporating at least one element from Groups IA, IB, IIB, IIIA and IIIB of the Periodic Table into the catalyst by impregnation, none of the Group IA elements incorporated into the catalyst by impregnation being derived from a molybdate or silicate, interim oxide complex is formed by forming a precatalyst and thereafter calcining said precatalyst in a gas containing molecular oxygen, (b) said interim oxide complex is impregnated with a solution of said element, and (c) the impregnated interim oxide complex is calcined in an oxygen containing gas.

Compl. specn. 12 pages.

CLASS : 72 B & 72 C

157647

Int. Cl. : C 06 b 9/00.

A CASTING PROCESS FOR PREPARING HIGH ENERGY HOMOGENEOUS CASTS OF BINARY EXPLOSIVES.

Applicant : THE CHIEF CONTROLLER RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI (INDIA) AN INDIAN NATIONAL.

Inventor : BRIJ MOHAN LAL SHERA, SUDESH KUMAR VASUDEVA & BACHAN SINGH.

Application for Patent No. 111/Del/1982 filed on 11th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A casting process for preparing high energy homogeneous casts of binary explosives of 2, 4, 6-trinitrotoluene and cyclotrimethylene trinitramine characterized in accelerating the sedimentation of said cyclotrimethylene trinitramine in 2, 4, 6-trinitrotoluene by compressing said trinitramine in a mould to allow a separation of the liquid phase and obtain a concentration of 90% of crystalline cyclotrimethylene-trinitramine and 10% of 2, 4, 6-trinitrotoluene.

Complete specn. 9 pages.

Drg. 1 Sheet.

CLASS : 117 B & 76 G

157648

Int. Cl. : E 05 b 47/00.

AN ELECTRICALLY OPERATED LATCH OR LOCK.

Applicant : VIMAL GOEL, AN INDIAN NATIONAL TRADING AS HOME SECURITY SYSTEMS, D 25, PANCHSHEEL ENCLAVE, NEW DELHI-110017, INDIA.

Inventor : VIMAL GOEL.

Application for Patent No. 112/Del/1982 filed on 11th February 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

An electrically operated lock or latch comprising a casing, energising or electromagnetic coils housed within the casing and connecting to an electric power source, a spring loaded armature pivoted to a rod fixed within the casing, a spring loaded arm pivoted to another rod fixed within the casing and engaging the said armature, a spring loaded angularly movable catch provided within the casing, engaging bolt of the lock when the lock is in its locked position, and said the armature holding the said arm when coils are not energised, and the arm permitting movement of the catch when the armature is attracted by the said coils when they are energised, whereby the catch can be released from the bolt by turning its knob.

Compl. specn. 8 pages.

Drg. 1 Sheet.

CLASS : 129-0

157649

Int. Cl. : B 24 b 1/00, 5/00.

A DEVICE FOR SCOURING THE SURFACE OF ELONGATE MATERIAL.

Applicant : PARAMEC CHEMICALS LIMITED, OF UNIT A3, STAFFORD PARK 11, TELEFORD, SHROPSHIRE, ENGLAND.

Inventor : 1. ROBERT PETER GOUGH.

Application No. 1121/Cal/81 filed October 13, 1981.

Convention dated 14th October, 1980 (33065) United Kingdom.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A device for scouring the surface of elongate material including a primary generally cylindrical chamber (72, Fig. 3) having at least one inlet (74) for fluid and a pair of secondary generally cylindrical chambers (73) which are axially aligned with, and respectively on opposite sides of the primary chamber, and each having a smaller radius than the primary chamber, the primary and secondary chambers being arranged to allow elongate material (50) to be passed axially through them characterised in that said at least one inlet (74) is tangentially directed, and the secondary chambers form the outlets for fluids from the primary chamber, the arrangement being such that when the device is in use fluid forced into the primary chamber via the inlet forms a rotating body of fluid in the chambers the angular velocity of which increases as the radius of rotation decreases when the fluid passes in opposite directions relative to the length of the material into the respective secondary chambers so that the elongate material is scoured and the fluid escapes from the said secondary chambers.

Compl. specn. 12 pages.

Drg. 1 sheet.

CLASS : 32-E; 40-F; 144-A

157650

Int. Cl. : B 01 j 1/00; C 08 f 1/00; C 08 j 1/00.

IMPROVEMENT IN OR RELATING TO POLYMERIZATION OF AN ETHYLENICALLY UNSATURATED POLYMERIZABLE MONOMER.

Applicant : SHIN-ETSU CHEMICAL CO. LTD., OF 6-1, OTEMACHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. SHUNICHI KOYANAGI, 2. HAJIME KITAMURA, 3. TOSHIHIDE SHIMIZU, 4. ICHIRO KANEKO.

Application No. 328/Cal/82 filed March 23, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

Improvement in or relating to polymerization of an ethylenically unsaturated polymerizable monomer in an aqueous medium contained in a polymerization reactor, the step of preventing deposition of polymer scale on the surfaces of the inner walls of the said reactor or on the other parts of the reactor which come into contact with the monomer during the said polymerization characterized in that prior to the polymerization providing a coating layer on the surface formed of a condensation product of aromatic amino compound and aromatic nitro compound prepared by a process such as herein described.

Compl. specn. 31 pages.

Drg. 1 Sheet.

CLASS : 67-C

157651

Int. Cl. : G 05 f 5/00.

A CIRCUIT COMPRISING ONE OR MORE PHASE-LOCKED LOOPS.

Applicant : BRITISH TELECOMMUNICATIONS, OF 2/12 GRESHAM STREET, LONDON, EC2V 7AG, ENGLAND.

Inventor : 1. ROBERT MCKENZIE FALCONER.

Application No. 655/Cal/82 filed June 8, 1982.

Convention dated 8th June, 1981 (81, 17487) United Kingdom.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A circuit comprising one or more phase-locked loops characterised in that each phase-locked loop comprises a variable delay element from the output of its oscillator to the input of its phase comparator, the delay caused by the delay element being controlled by the signal that controls the oscillator so that when the oscillator is made to increase in frequency the delay is made to decrease and when the oscillator is made to decrease in frequency the delay is made to increase.

Compl. specn. 28 pages.

Drg. 7 Sheets.

CLASS : 92-C

157652

Int. Cl. : B 02 b 3/00.

VERTICAL FRICTIONALLY ABRASIVE ROLL RICE POLISHING MACHINE.

Applicant & Inventor : SOICHI YAMAMOTO, 813-17 OAZA TENDOU KOU, TENDOU-SHI, YAMAGATA-KEN, JAPAN.

Application No. 1322/Cal/82 filed November 11, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A vertical frictionally abrasive roll rice polishing machine comprising a framework assembly including upper and lower frameworks, a vertical rotary shaft extending within said frame-work assembly in the axial direction of said framework assembly, a vertical abrasive roll mounted at the upper end of said shaft for rotation therewith, a vertical polishing cylinder mounted within said upper framework of the framework assembly for vertical or both vertical and rotational movement, said polishing cylinder surrounding said abrasive roll in peripherally spaced relationship to the roll to define an annular polishing chamber therebetween, a material supply passage provided right above the upper end of said polishing chamber in the axial direction of the chamber and a discharge passage provided right below the lower end of said polishing chamber in the axial direction of the chamber.

Compl. specn. 19 pages.

Drg. 13 Sheets.

CLASS : 15-D

157653

Int. Cl. : F 16 c 35/00.

RESILIENT SUPPORT ARRANGEMENT FOR SHAFT BEARINGS OF HIGH-SPEED ROTORS, IN PARTICULAR ROTORS OF TURBO MACHINES.

Applicant : BBC BROWN, BOVERI & COMPANY, LIMITED, OF CH-5401 BADEN, SWITZERLAND.

Inventors : 1. DR. HANSULRICH HORLER, 2. RUDOLF KOLLER,

Application No. 448/Cal/83 filed April 18, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

Resilient support arrangement for shaft bearing of high-speed rotors, in particular rotors of turbo machines, which support arrangement is intended resiliently to absorb forces acting from the rotor upon the shaft bearing transversely to the axis of the rotor shaft, characterised by an inner strap (5; 14; 18; 24), an outer strap (6; 15; 19; 25) and a plurality of bending spring bars (8-11; 16-17; 20-21; 26) which are arranged to be distributed around the periphery of the said two straps and which extend parallel to the common longitudinal axis of the two straps and are joined to the inner and outer straps, the bending spring bars being of such a shape that an annular gap (7) is present between the two straps.

Compl. specn. 8 pages.

Drg. 1 Sheet.

CLASS : 63-B

157654

Int. Cl. : H 02 k 5/00.

DYNAMO-ELECTRIC MACHINES.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : 1. FELIX MOSES DETINKO, 2. NICHOLAS SYLVESLER KOSANOVICH, 3. JOHN ANDRE LEVINO.

Application No. 601/Cal/83 filed May 12, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A dynamoelectric machine comprising a stator structure having an outer frame member and an inner core member, said frame member being cylindrical and shaped to receive said core member coaxially therein, said frame member having an outer shell with a plurality of frame rings connected to and extending radially inward from said shell, a plurality of building bars extending axially along the outer periphery of said core member, said building bars being connected to said core member and protruding radially from the outer periphery of said core member, a plurality of spring bars extending axially along an inner periphery of said frame member and being rigidly connected to said frame rings, the radially inner surface of said spring bars being shaped to receive said building bars in an axially slidable association, and means for deforming portions of said spring bars in a radially inward direction, said deforming means being disposed between adjacent of said frame rings.

Compl. specn. 14 pages.

Drg. 3 Sheets.

CLASS : 40-E

157655

Int. Cl. : B 01 d 3/26.

PROCESS OF REGENERATING ABSORBENT SOLUTIONS FOR SULFUR-CONTAINING GASES.

Applicant : METALLGESELLSCHAFT AKTIENGESELLSCHAFT, OF 16 FRANKFURT A. M. REUTERWEG, WEST GERMANY.

Inventors : 1. ALEXANDER DOERGES, 2. JOHANN SCHLAUER, 3. MANFRED KRIEBEL, 4. ANTON HUDE.

Application No. 615/Cal/83 filed May 18, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A process of regenerating a laden absorbent solution used in an absorption zone to desulfurize a gas which contains H_2S and CO , and possibly COS , said absorbent solution containing at least one highly volatile secondary amine in an organic solvent, wherein :

- (A) said laden absorbent solution (first solution) withdrawn from said absorption zone being laden with H_2S and CO_2 and possibly COS is fed into a re-absorber at a first inlet said reabsorber being a plate column, the pressure in said re-absorber being lower than in said absorption zone, feeding regenerated absorbent solution (second solution) at a second inlet into an upper portion of said re-absorber, said second inlet being above said first inlet, feeding a first gas rich in CO_2 and also containing H_2S into said re-absorber at a third inlet below said first inlet, contacting said rising in said re-absorber countercurrent to said solutions from said first and second inlet, at the top of said re-absorber withdrawing a second gas consisting essentially of CO_2 , and at the bottom of said re-absorber withdrawing a high H_2S content absorbent solution (third solution) having a higher H_2S content than said first solution,
- (B) feeding said third solution into a regenerator at a fourth inlet at the upper portion of the regenerator, said regenerator being a plate column, indirectly heating the contents of the lower portion of said regenerator to produce vapors therein which rise upwardly in said regenerator, at the top of said regenerator at a first outlet withdrawing overhead vapors cooling said overhead vapors to ambient temperature and separating a first condensate and a third gas, feeding said first condensate to the top of said regenerator at a fifth inlet, withdrawing said third gas having a high H_2S content, at a second outlet withdrawing a stream of vapors from said regenerator, cooling said vapors to ambient temperature whereby to separate a second condensate and said first gas rich in CO_2 , feeding said second condensate into said regenerator at a sixth inlet, said sixth inlet being 1 to 10 plates above said fourth inlet, said second outlet being 1 to 10 plates below said first outlet, from said regenerator withdrawing regenerated absorbent solution, feeding a first partial stream of said regenerated absorbent solution to the top of said absorption zone and using a second partial stream of said regenerated absorbent solution as said second solution.

Compl. specn. 21 pages.

Drg. 1 sheet.

CLASS : 160-C

157656

Int. Cl. : B 60 g 25/00.

A LORRY OR TRAILER UNIT SUSPENSION SYSTEM.

Applicant: NORDE SUSPENSIONS LIMITED, SYWELL AIRPORT, NORTHAMPTON NN6 OBU, ENGLAND.

Inventor : 1. CHRISTOPHER NORTON HARLE.

Application No. 657/Cal/83 filed May 25, 1983.

Convention dated 5th June, 1982 (82, 16427) United Kingdom.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A lorry or trailer unit suspension system comprising three or more axles on which the road wheels are rotatably mounted, and beam-like members interconnecting corresponding ends of adjacent axles, with a resilient suspension means interposed between each beam and the underside of the load-bearing area of the lorry or trailer unit, said beam-like members supporting and being pivotally secured to a respective axle by a link engaging a resilient bush at the respective end of a beam, and at least in respect of an inner axle adjacent ends of the two opposed beam-like members being connected to that axle by links that are fixed in relation to each other, which links again engage resilient bushes at the ends of the beams.

Compl. specn. 12 pages.

Drg. 1 sheet.

CLASS : 108-C₃

157657

Int. Cl. : C 21 c 5/00.

A DEVICE TO EMPTY TILTING METALLURGICAL VESSELS.

Applicant : ARBED S.A. AVENUE DE LA LIBERTE L-2930 LUXEMBOURG.

Inventors : 1. FRANCOIS SCHLEIMER, 2. JEAN GOEDERT, 3. FERDINAND GOEDERT, 4. ROMAIN HENRION, 5. FERNAND THILL, 6. HENRI KLEIN, 7. JEAN-FRANCOIS LIESCH, 8. JEAN PECKELS.

Application No. 785/Cal/83 filed June 23, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A device to empty tilting metallurgical vessels, in particular steel converters, provided with a tap hole in the sidewall and containing molten metal on which floats a layer of slag, in which gas permeable elements comprising at least one elongated segment having preferably a rectangular section and provided on the cold side with a gas distribution chamber which is connected through a pipe to a source of bubbling gas, are located near the tap hole and in which a plug is fixed transiently on mounting means situated on an arm pivoting around a shaft fixed in the vessel near the tap hole, said arm being actuated by a jack capable of being activated in both directions.

Compl. specn. 8 pages.

Drg. 1 Sheet.

CLASS : 145-B

157658

Int. Cl. : F 26 b 17/00.

A SPOILER BAR ASSEMBLY USED IN PAPER MAKING DRYING MACHINE.

Applicant : BELOIT CORPORATION, P.O. BOX 350 BELOIT, WISCONSIN 53511, UNITED STATES OF AMERICA.

Inventor : 1. GREGORY LYNN WEDEL.

Application No. 835/Cal/83 filed July 6, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

A spoiler bar assembly for mounting on the inner peripheral wall surface of a rotatory, condensable fluid-heated web drying drum, such as a steam-heated dryer roll for drying a moist paper web on a papermaking machine, to interrupt the condensate on the inner wall surface to thereby improve the heat transfer through the drum characterized in comprising : at least a pair of rail members, capable of conducting magnetic flux, and having edge surfaces for mounting against the inner peripheral surface of the dryer drum; backing plate means attached to the rail members to form an enclosing structure therewith; magnet means disposed within the structure to form therewith a spoiler bar assembly, with at least one of its magnetic poles positioned to transmit magnetic flux through the rail members for securing the spoiler bar assembly to the dryer drum.

Compl. specn. 17 pages.

Drg. 6 Sheets.

CLASS : 33-F

157659

Int. Cl. : B 22 c 9/06.

PRODUCTION OF COPPER ALLOY TUBULAR CONTINUOUS CASTING MOULDS.

Applicant : KABEL-UND METALLWERKE GIEHOF-ERNUNGSHUTTE AKTIENGESELLSCHAFT OF FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. HORST GRAVEMANN.

Application No. 273/Cal/82 filed March 10, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

Process for producing tubular continuous-casting moulds of a copper alloy in which process the mould walls defining the mould cavity are shaped by means of an explosive so as to conform to the geometry of a die, characterised in that : a tube composed of an age-hardenable copper alloy such as herein described, is solution-heat-treated in the temperature range appropriate for the solution-heat-treatment of the alloy employed, or is formed at the solution-heat-treatment temperature; the solution-heat-treated tube is hardened by heat-treatment at 400 to 600°C for at least 15 minutes; and explosion-forming is thereafter carried out.

Compl. specn. 10 pages.

Drg. Nil.

CLASS : 32-E; 125-A + B + G + K. 157660

Int. Cl. : A 61 b 17/04, 17/073; A 61 i 13/00, 17/00; A 61 f 1/00; C 08 g 17/00, 23/00, 39/00.

PROCESS FOR PRODUCING RADIATION STERILIZABLE POLYMERIC MATERIALS.

Applicant : ETHICON INC., LOCATED IN SOMERVILLE, NEW JERSEY, UNITED STATES OF AMERICA.

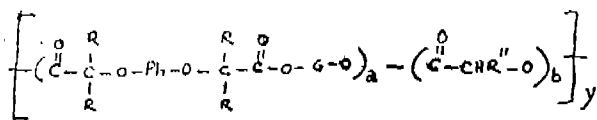
Inventors : 1. SHALABY WAHBA SHALABY, 2. DENNIS DOUGLAS JAMIOLKOWSKI.

Application No. 853/Cal/82 filed July 22, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

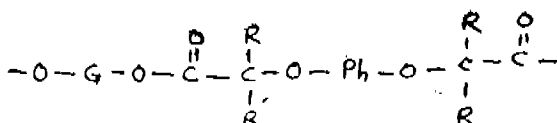
6 Claims

A process for producing a radiation sterilizable copolymer of formula III, of the accompanying drawings

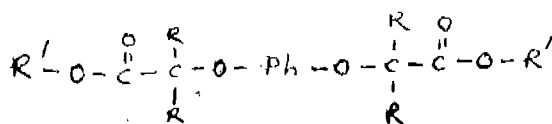


Formula 4

preferably for use in the manufacture of radiation sterilizable absorbable surgical devices such as surgical sutures, wherein G represents the residue after removal of the hydroxyl groups of a dihydric alcohol, wherein Ph represents 1, 2-, 1, 3-, or 1, 4- phenylene, wherein R represents hydrogen or lower alkyl, wherein R'' represents hydrogen or methyl, wherein a and b (such as hereinbefore described) represents numbers whose average values represent the proportions in the copolymer of the two units in the parentheses, and wherein Y is a number whose average value represents the degree of polymerisation, the process comprising (i) providing a polymer composed of units of formula I of the drawings



wherein R, Ph & G have the above meaning by reacting a phenylene-bis-oxyacetate of the formula II



Formula 6

wherein R and Ph have the meaning defined above, and where each R' individually is lower alkyl or phenyl, with a dihydric described at an elevated temperature such as herein described and in an inert atmosphere to produce a low molecular weight polymer; and raising the elevated temperature while reducing the pressure to produce a higher molecular weight polymer of formula (I) having an inherent viscosity of at least 0.1 dl/g measured at 25°C. at a concentration of 0.1 g/dl in hexafluoroisopropyl alcohol.

(ii) reacting the product of (i) with glycolide or a mixture of glycolide and lactide at an elevated temperature such as hereinbefore described for a period sufficient to produce the desired solid co-polymer of formula III having an inherent viscosity of at least 0.3 dl/g measured at 25°C at a concentration of 0.1 g/dl in hexafluoroisopropyl alcohol.

Compl. Specn. 51 pages.

Drgs. 2 sheets.

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by National Council of Cement & Building Materials to the grant of a patent on application No. 156895 made by Dr. Anil Krishna Kar.

(2)

An opposition has been entered into by M/s. Ignition Products, Tamil Nadu to the grant of a patent on application for Patent No. 156941 made by M/s. Jaya Hind Industries Limited, Pune.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Patent Office, Calcutta and its branches at Bombay, Madras and New Delhi at two rupees per copy :—

(1)

145338 145339 145341 145383 145386 145398

(2)

145723 145725 145726 145727 145731 145732 145734 145736
145737 145739 145740 145741 145742 145743 145744 145746
145747 145750 145751

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152114 152115 152116 152117 152118 152119 152120 152121
152122 152123 152124 152125 152126 152127 152128 152129
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PATENTS SEALED

153392 153605 154151 154184 151197 151229 151249 154264
 154368 154451 154452 154454 154462 154526 154528 154582
 154657 154678 154735 154751 154805 154827 154884 155011
 155032 155034 155123 155124 155184 155187 155228 155350
 155560 155561 156310

AMENDMENT PROCEEDING UNDER SECTION 87

The amendments proposed by Sasol Operations (Proprietary) Limited in respect of Patent application No. 152877 as advertised in Part III, Section 2 of the Gazette of India dated the 5th October, 1985 have been allowed.

RENEWAL FEES PAID

135275 136531 137469 137679 137749 137942 137974 138016
 138527 138541 139001 139156 139158 139241 139450 139517
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 141596 141749 142040 142203 142217 142368 142454 142663
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153979 154040 154161 154210 154228 154250 154271 154333
 154594 154651 154744 154947 154973 155227 155284

CESSATION OF PATENTS

152563

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. Nos. 156669, 156670. Shree Ram Metal Cast, 58, Digvijay Plot, Udyognagar Road, Behind Water Aveda, Jamnagar-361004, Gujarat State, India, an Indian Partnership Firm. "Nut Cracker". 18th February, 1986.

Class. 1. No. 156076. Bhagwati Steel Industries (a registered Partnership firm) of Karansinhji Road, Below Dr. Upadhyay's Clinic, Rajkot-360001, Gujarat, India. "Wick Stove". 24th September, 1985.

Class. 1. No. 156321. Tarun Sanon A-3-Nizamuddin East, New Delhi-110013, India. An Indian National. "Laminating Machine". 19th November, 1985.

Class. 3. No. 156653. New Natraj Industries, an Indian registered Partnership firm. 14th A-Road, Khar, City of Bombay 400 052, State of Maharashtra, India. "Baby Walkers". 17th February, 1986.

Class. 3. No. 156695. Inalsa Private Limited, A Company incorporated under the Companies Act. Surya Kiran, 19-Kasturba Gandhi Marg, New Delhi-110001, India. "Food Processor", 25th February, 1986.

Class. 3. No. 156659. Milton Plastics, a registered Indian Partnership Firm, registered under the Indian Partnership Act, 1932, having Office at 202/203, 'Raheja Centre', 214, Nariman Point, Bombay-400 021, Maharashtra, India. "Foot Pot". 18th February, 1986.

Class. 3. No. 156660. Milton Plastics, a registered Indian Partnership Firm, registered under the Indian Partnership Act, 1932, having Office at 202/203, 'Raheja Centre', 214, Nariman Point, Bombay-400 021, Maharashtra, India. "Water Jug". 18th February, 1986.

Class.3. Nos. 156339, 156340, 156341. Sandip Kumar Mahanaria, an Indian National, of 8 Camac Street, 8th Floor, Space 15, Calcutta-700 017, State of West Bengal, India. "Bal Point Pen". 22nd November, 1985.

Class.3. Nos. 156061, 156062. B. K. Products, 39, Radha Madhab Saha Lane, Calcutta-700 007, West Bengal, India, an Indian Partnership firm. "Container". 20th September, 1985.

Class. 3. No. 156086. Suryakant Bhailalbhai Patel, an Indian National of 36, Shah-wadi, Madhyamvarg, Co-op. Housing Society, Post Shah-Wadi, Via Narol, Dist. Ahmedabad, (Gujarat State), India. "Container". 30th September, 1985.

Class. 3. Nos. 156174, 156175, 156176, 156177, 156178, 156179, 156180. S. S. Industries, a Registered Partnership Firm of Space 15, 8th floor, Shantiniketan, 8, Camac Street, Calcutta-700 017, State of West Bengal, India. "Ball Point Pen". 29th October, 1985.

Class. 3. Nos. 156347, 156348, 156350. Sandip Kumar Mahansaria, an Indian National, of 8 Camac Street, 8th Floor, Space 15, Calcutta-700 017, State of West Bengal, India. "Ball Point Pen". 22nd November, 1985.

Class. 4. No. 155972. Vivelon Cosmetics, Ajay Service Industrial Estate, Unit 421, 4th Floor, Anjir Wadi, Mazgaon, Bombay-400 010 State of Maharashtra, India. "A Bottle". 20th August, 1986.

Class. 10. Nos. 156104, 156105. Jyoti Plastic & Allied Industries, 49 A/B, Government Industrial Estate, Charkop, Kandivli (West), Bombay-400 067, Maharashtra, India. an Indian Partnership Firm.

"Footwear". 7th October, 1985.

Extn. of Copyright for the Second period of five years.

No. 153314. Class-1.

Nos. 155702, 153476, 156108. Class-3.

Extn. of Copyright for the Third period of five years.

No. 153314. Class-1.

Nos. 155702, 153476, 156108. Class-3.

R. A. ACHARYA

Controller General of Patents, Designs
and Trade Marks

